

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	09/997240	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:57
S2	7	Yan-Wen-Liang.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:57
S3	7	Huang-Steve-Chien-Wen.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:58
S4	7	Nguyen-Minh-Thanh.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:59
S5	69	Li-Hua.IN. or Lin-Helen.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:59
S6	5	Lei-Jingqi.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:00
S7	6	Khanna-Ruchi.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:00
S8	79	S1 or S2 or S3 or S4 or S5 or S6 or S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:01

## EAST Search History

S9	18	"homozygous stem cell" or "homozygous stem cells"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:02
S10	9	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:01
S11	57944	homozygous NERR5 ("stem cell" or "stem cells")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:03
S12	145	homozygous NEAR5 ("stem cell" or "stem cells")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:03
S13	373	homozygous WITH ("stem cell" or "stem cells")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:09
S14	0	homozygous WITH ("stem cell" or "stem cells") WITH parthenogenetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:05
S15	7	homozygous WITH ("stem cell" or "stem cells") WITH "polar body"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:08
S16	35	S13 and @pd<="20001130"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:12

## EAST Search History

S17	10	homozygous WITH ("stem cell" or "stem cells") WITH (haplotype or halotypes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 12:10
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treatment and/or transplantation.

L14 ANSWER 10 OF 10 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on  
STN  
AN 2001:258499 BIOSIS  
DN PREV200100258499  
TI Blastocyst complementation analysis reveal a role for NF-1A transcription  
factor in T cell activation.  
AU Muthusamy, Natarajan [Reprint author]; Rajgolikar, Girish; Butz, Kenneth  
G.; Chen, Hui-Chen; Frissora, Frank; Gronostajski, Richard M.  
CS Children's Research Inst., The Ohio State University, 700 Children's Dr.,  
Room W410, CRI, Columbus, OH, 43205, USA  
SO FASEB Journal, (March 8, 2001) Vol. 15, No. 5, pp. A1197. print.  
Meeting Info.: Annual Meeting of the Federation of American Societies for  
Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA.  
March 31-April 04, 2001.  
CODEN: FAJOEC. ISSN: 0892-6638.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 30 May 2001  
Last Updated on STN: 19 Feb 2002  
AB NF-1A is a DNA binding protein required for the normal expression of  
several cellular and viral genes. It binds to consensus TTGGCCNsgCCAA  
sequence as homo and heterodimers with other NF-1 family members.  
Targeted deletion of NF-1A gene in mice resulted in lethality associated  
with hydrocephalus and agenesis of corpus callosum. To determine the role  
of NF-1A in lymphoid lineage we used the RAG-2-/- blastocyst  
complementation analysis using embryonic stem cells containing homozygous  
deletion of the NF-1A gene. NF-1A-/- ES cells expressed normal levels of  
NF-1B, NF-1C, and NF-1X mRNA but not NF-1A mRNA. NF-1A-/->RAG-2-/-  
chimeric mice exhibited 40-65% contribution by the injected mutant ES  
cells to various organs. Analysis of NF-1A-/->RAG-2-/- chimeric mice  
revealed normal development of CD4+ CD8+ (double positive), CD4+CD8- and  
CD4-CD8+ (single positive) T cells in the thymus and CD4+CD8- and CD4-CD8+  
single positive T cells in the spleen and lymphnode. Further IgM+/B220+ B  
cell populations in the NF-1A-/->RAG-2-/- mice developed normally  
indicating that NF-1A is not essential for the normal development of T and  
B cell population in mice. Interestingly, the thymi from the  
NF-1A-/->RAG-2-/- chimeric mice exhibited markedly reduced size associated  
with hypocellularity. Detailed analysis of thymocytes from NF-1A-/- mice  
revealed, defective antigen receptor induced proliferation associated with  
failure of the cells to enter cell cycle. Thus the NF-1A-/- but not  
NF-1A+/+ thymocytes exhibited significant reduction in the number of cells  
entering into S phase in response to anti-CD3 stimulation. These studies  
demonstrate for the first time requirement of NF-1A transcription factor  
in antigen receptor induced T cell activation.

=> D His

(FILE 'HOME' ENTERED AT 14:15:43 ON 21 MAR 2007)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH' ENTERED AT 14:16:22 ON  
21 MAR 2007

L1 E YAN WEN LIANG/AU  
8 S E3  
E HUANG STEVE CHIEN-WEN/AU  
L2 5 S E2  
E NGUYEN MINH THANH/AU  
L3 25 S E3, E4  
E LIN HUA/AU  
L4 227 S E3  
E LEI JINGQI/AU  
L5 12 S E3

E KHANNA RUCHI/AU

L6 8 S E3  
L7 265 S L1 OR L2 OR L3 OR L4 OR L5 OR L6  
L8 13 S "HOMOZYGOUS STEM CELLS" OR "HOMOZYGOUS STEM CELL"  
L9 5 S HOMOZYGOUS (S) ("STEM CELLS" OR "STEM CELL") (S) (HAPLOTYPE O  
L10 5 S HOMOZYGOUS (10A) ("STEM CELLS" OR "STEM CELL") (10A) (HAPLOTY  
L11 5 S L9 OR L10  
L12 8 S L7 AND HOMOZYGOUS AND ("STEM CELLS" OR "STEM CELL")  
L13 18 S L8 OR L11 OR L12  
L14 10 DUP REM L13 (8 DUPLICATES REMOVED)

=> Logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
106.93	107.14

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.90	-3.90

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 14:31:28 ON 21 MAR 2007